

ANIMAL SPECIES OF SPECIAL CONCERN

MAY, 1993

The Montana Natural Heritage Program (MTNHP) is conducting an inventory of the elements of biological diversity in Montana. The inventory focuses on plant species, animal species, and plant communities that are rare, endemic, disjunct, threatened, or endangered throughout their range or in Montana, vulnerable to extirpation from Montana, or in need of further research.

The attached list of animal species of special concern in Montana is used to direct data acquisition by the MTNHP, and provide information to others on the current status of these species. It has been developed largely from information supplied by field research and inventories, and input from knowledgeable individuals.

Background information was obtained from sources such as Vertebrate Species of Special Interest or Concern (Flath 1984), P. D. Skaar's Montana Bird Distribution (Bergeron, et al. 1992), Fishes of Montana (Brown 1971), the Notice of Review for vertebrates, and from the scientific literature, personal contacts, and museum specimens. This list is dynamic and is periodically revised as new data become available to the MTNHP.

Written comments and suggestions are continually needed on this list, particularly regarding recommended additions or deletions. New locational information for any of these taxa is also being solicited. The MTNHP can supply current locational information and status data for most of these taxa.

Taxa are evaluated and ranked by the Heritage Program on the basis of their global (range-wide) status, and their state-wide status. These ranks are used to determine protection and data collection priorities and are revised as new information becomes available.

A scale of 1 (critically imperiled) to 5 (demonstrably secure) is used for these ranks, and each species is assigned the appropriate combination of global (range-wide) and state ranks.

Example: Common Loon = G5 / S3 (i.e., species is demonstrably secure globally; in Montana is found within a restricted range). Global and state ranks are assigned according to a standardized procedure used by all Natural Heritage Programs, and are defined below.

Global/State

<u>Rank</u>	<u>Definition</u>
G1 S1	Critically imperiled because of extreme rarity (5 or fewer occurrences, or very few remaining individuals), or because of some factor of its biology making it especially vulnerable to extinction.
G2 S2	Imperiled because of rarity (6 to 20 occurrences), or because of other factors demonstrably making it very vulnerable to extinction throughout its range.
G3 S3	Either very rare and local throughout its range or found locally (even abundantly at some of its locations) in a restricted range, or vulnerable to extinction throughout its range because of other factors; in the range of 21 to 100 occurrences.
G4 S4	Apparently secure, though it may be quite rare in parts of its range, especially at the periphery.
G5 S5	Demonstrably secure, though it may be quite rare in parts of its range, especially at the periphery.
GU SU	Possibly in peril, but status uncertain; more information needed.
GH SH	Historically known; may be rediscovered.
GX SX	Believed to be extinct; historical records only, continue search.

Rank modifiers:

- A Accidental in the state; including species (usually birds or butterflies) recorded very infrequently, hundreds or thousands of miles outside their usual range.
- B A state rank modifier indicating breeding status for a migratory species.
- E An exotic established in the state; may be native in nearby regions.

- N A state rank modifier indicating non-breeding status for a migratory species.
- Q Taxonomic questions or problems are involved and more information needed. Appended to the global rank.
- R Reported in the state, but lacking documentation which would provide a basis for either accepting or rejecting the report.
- T Rank for a subspecific taxon (subspecies or variety), appended to the global rank for the full species.
- Z Ranking not applicable.

USF&WS Status: The symbols in this column denote the categories defined in the U.S. Fish and Wildlife Service Notices of Review (1980, 1983, 1985, 1990), and indicate the status of a taxon with respect to the federal Endangered Species Act of 1973:

- LE (Listed) Endangered
- LT (Listed) Threatened
- P Proposed for listing
- C1 Notice of Review, Category 1 (substantial biological information on file to support the appropriateness of proposing to list as endangered or threatened).
- C2 Notice of Review, Category 2 (current information indicates that proposing to list as endangered or threatened is possibly appropriate, but substantial biological information is not on file to support an immediate ruling).
- C2* Category 2, and the taxon is possibly extinct.
- 3A Taxa for which the USFWS has persuasive evidence of extinction.
- 3B Names that, on the basis of current taxonomic understanding, do not represent taxa meeting the Endangered Species Act's definition of "species."
- 3C Taxa that have proven to be more abundant or widespread than was previously believed, and/or those that are not subject to any identifiable threat.
- NL Not listed/no designation. (See note below.)

Note: A species can have more than one federal designation if the species' status varies within its range. In these instances the Montana designation is listed first.

Examples:

Bald Eagle = LELT. Species is Listed Endangered in Montana and elsewhere in its range it is Listed Threatened.
 Cutthroat Trout = C2NL. Species is a Category 2 in Montana, and elsewhere in its range it doesn't have USF&WS designation.
 Fisher = NLC2. Species has no USF&WS designation in Montana and elsewhere in its range it is a Category 2.

USFS Status: The status of species in Montana as defined by the U.S. Forest Service manual (2670.22). These taxa are listed as such by the Regional Forester (Northern Region) on Montana National Forests.

State Status: These symbols give the state legal status of vertebrates as listed in the 1989 Statutes of Montana for the Department of Fish, Wildlife and Parks.

GA = game animal	
GF = game fish	
FB = fur bearing animal	<u>Management Status:</u>
MB = migratory bird	
UB = upland game bird	CD = closed season
E = endangered	RH = restricted harvest
NG = nongame wildlife	
P = protected species	
U = unprotected species	

Selected References:

- Bergeron, D., C. Jones, D. L. Genter, and D. Sullivan. 1992. P. D. Skaar's Montana bird distribution, fourth edition. Special Publication No. 2, Montana Natural Heritage Program, Helena. 116 pp.
- Brown, C. J. D. 1971. Fishes of Montana. Montana State University, Bozeman. 207 pp.
- Federal Register. 1991. Endangered and threatened wildlife and plants; animal candidate review for listing as endangered or threatened species, proposed rule [notice of review]. 56(225):58804-58836. 21 November 1991.
- Flath, D. L. 1984. Vertebrate species of special interest or concern. Montana Department of Fish, Wildlife and Parks. Helena. 76 pp.
- Holton, G. D. 1990. A field guide to Montana fishes. Montana Department of Fish, Wildlife and Parks, Helena. 103 pp.
- Statutes, State of Montana. 1989. A compilation of statutes relating to fish, wildlife, parks, outdoor recreations, and certain other natural resources of the State of Montana. Montana Department of Fish, Wildlife and Parks. Helena. 255 pp.
- Thompson, L. S. 1982. Distribution of Montana amphibians, reptiles, and mammals. Montana Audubon Council, Helena. 24 pp.

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Animal Species of Special Concern

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ACIPENSER TRANSMONTANUS WHITE STURGEON	G4	S1	GFRH	C1	SENSITIVE
SCAPHIRHYNCHUS ALBUS PALLID STURGEON	G1	S1	GFRH	LE	ENDANGERED
POLYODON SPATHULA PADDLEFISH	G4	S3	GFRH	C2	
LEPISOSTEUS PLATOSTOMUS SHORTNOSE GAR	G5	S1	NG		
ONCORHYNCHUS CLARKI BOUVIERI YELLOWSTONE CUTTHROAT TROUT	G5T3	S2	GF		SENSITIVE
ONCORHYNCHUS CLARKI LEWISI WESTSLOPE CUTTHROAT TROUT	G5T3	S3	GF		SENSITIVE
ONCORHYNCHUS MYKISS GIBBSII INTERIOR REDBAND TROUT	G5T?	S1	GF	C2	SENSITIVE
SALVELINUS CONFLUENTUS BULL TROUT	G4	S3	GFRH	C2	SENSITIVE
THYMALLUS ARCTICUS MONTANUS MONTANA ARCTIC GRAYLING	G5T2	S1	GFRH	C1	SENSITIVE
HYBOPSIS GELIDA STURGEON CHUB	G3	S3	NG	C2	
HYBOPSIS MEEKI SICKLEFIN CHUB	G2	S1	NG	C2	
PHOXINUS EOS X PHOXINUS NEOGAEUS NORTHERN REDBELLY X FINESCALE DACE	G4	S3	NG		
SEMOTILUS MARGARITA PEARL DACE	G5	S2	NG		
CYCLEPTUS ELONGATUS BLUE SUCKER	G4	S3?	NG	C2	
PERCOPSIS OMISCOMAYCUS TROUT-PERCH	G5	S1	NG		
COTTUS CONFUSUS SHORTHEAD SCULPIN	G5	S3	NG		SENSITIVE

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COTTUS RHOZEUS TORRENT SCULPIN	G5	S2	NG		SENSITIVE

COTTUS RICEI SPOONHEAD SCULPIN	G5?	S1	NG		
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AMPHIBIANS

PLETHODON IDAHOENSIS COEUR D'ALENE SALAMANDER	G3	S2	NG		SENSITIVE
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DICAMPTODON ATERRIMUS IDAHO GIANT SALAMANDER	G4Q	S1?	NG		
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ASCAPHUS TRUEI TAILED FROG	G5	S3	NG		
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BUFO HEMIOPHRYNCHOS CANADIAN TOAD	G5	S1	NG		
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RANA SYLVATICA WOOD FROG	G5	SR	NG		
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REPTILES

CHELYDRA SERPENTINA SNAPPING TURTLE	G5	S3	NG		
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APALONE SPINIFERA SPINY SOFTSHELL	G5	S3	NG		
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HETERODON NASICUS WESTERN HOGNOSE SNAKE	G5	S3?	NG		
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OPHEODRYS VERNALIS SMOOTH GREEN SNAKE	G5	S3	NG		
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BIRDS

GAVIA IMMER COMMON LOON	G5	3B,SZN	P		SENSITIVE
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AECHMOPHORUS CLARKII CLARK'S GREBE	G5	S2S4B,SZN			
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PELECANUS ERYTHORHYNCHOS AMERICAN WHITE PELICAN	G3	S2B,SZN	P		
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<u>NYCTICORAX NYCTICORAX</u> <u>BLACK-CROWNED NIGHT-HERON</u>	<u>G5</u>	<u>S3B,SZN</u>	<u>P</u>		
PLEGADIS CHIHUI WHITE-FACED IBIS	G5	<u>S2B,SZN</u>	<u>P</u>	<u>C2</u>	
CYGNUS BUCCINATOR TRUMPETER SWAN		<u>S1N,S2B</u>	<u>MB</u>	<u>C2</u>	<u>SENSITIVE</u>
HISTRIONICUS HISTRIONICUS HARLEQUIN DUCK	G5	S2B,SZN	MB	<u>C2</u>	<u>SENSITIVE</u>
HALIAEETUS LEUCOCEPHALUS BALD EAGLE	G3	S3B,S3N	P	LELT	ENDANGERED
<u>ACCIPITER GENTILIS</u> <u>NORTHERN GOSHAWK</u>	<u>G5</u>	<u>S4</u>	<u>P</u>	<u>C2</u>	
BUTEO REGALIS FERRUGINOUS HAWK	G4	S3B,SZN	P	C2	SENSITIVE
FALCO PEREGRINUS PEREGRINE FALCON	G3	<u>S1S2B,SZN</u>	<u>E</u>	<u>LE</u>	<u>ENDANGERED</u>
TYMPANUCHUS PHASIANELLUS COLUMBIANUS COLUMBIAN SHARP-TAILED GROUSE	G4TU	S1	UB	C2	<u>SENSITIVE</u>
GRUS AMERICANA WHOOPING CRANE	G1	SHN	E	LE	ENDANGERED
CHARADRIUS MELODUS PIPING PLOVER	<u>G3</u>	<u>S2B,SZN</u>	<u>P</u>	<u>LELT</u>	<u>THREATENED</u>
CHARADRIUS MONTANUS MOUNTAIN PLOVER	G3	S2B,SZN	P	C2	<u>SENSITIVE</u>
<u>HIMANTOPUS MEXICANUS</u> <u>BLACK-NECKED STILT</u>	<u>G5</u>	<u>S3B,SZN</u>	<u>P</u>		
<u>STERNA CASPIA</u> <u>CASPIAN TERN</u>	<u>G5</u>	<u>S3B,SZN</u>	<u>P</u>		
<u>STERNA HIRUNDO</u> <u>COMMON TERN</u>	<u>G5</u>	<u>S3B,SZN</u>	<u>P</u>		
<u>STERNA FORSTERI</u> <u>FORSTER'S TERN</u>	<u>G5</u>	<u>S3B,SZN</u>	<u>P</u>		
STERNA ANTILLARUM LEAST TERN	G4	S1B,SZN	P	<u>LT</u>	<u>THREATENED</u>

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<u>CHLIDONIAS NIGER</u> <u>BLACK TERN</u>	<u>G4</u>	<u>S3B,SZN</u>	<u>P</u>	<u>C2</u>	
<u>COCCYZUS AMERICANUS</u> <u>YELLOW-BILLED CUCKOO</u>	<u>G5</u>	<u>S3B,SZN</u>	<u>P</u>		
OTUS FLAMMEOLUS FLAMMULATED OWL	G4	<u>S1S3B,SZN</u>	<u>P</u>		<u>SENSITIVE</u>
SPEOTYTO CUNICULARIA BURROWING OWL	G5	S3B,SZN	P		
STRIX NEBULOSA GREAT GRAY OWL	G5	S3	P		
AEGOLIUS FUNEREUS BOREAL OWL	G5	S3	P		SENSITIVE
<u>CYPSELOIDES NIGER</u> <u>BLACK SWIFT</u>	<u>G4</u>	<u>S3B,SZN</u>	<u>P</u>		
<u>PICOIDES ARCTICUS</u> <u>BLACK-BACKED WOODPECKER</u>	<u>G5</u>	<u>S3</u>	<u>P</u>		<u>SENSITIVE</u>
<u>TYRANNUS VOCIFERANS</u> <u>CASSIN'S KINGBIRD</u>	<u>G5</u>	<u>S1S3B,SZN</u>	<u>P</u>		
<u>PARUS HUDSONICUS</u> <u>BOREAL CHICKADEE</u>	<u>G5</u>	<u>S3</u>	<u>P</u>		
<u>LANIUS LUDOVICIANUS</u> <u>LOGGERHEAD SHRIKE</u>	<u>G4</u>	<u>S4B,SZN</u>	<u>P</u>	<u>C2</u>	
<u>MNIOTILTA VARIA</u> <u>BLACK-AND-WHITE WARBLER</u>	<u>G5</u>	<u>S1S3B,SZN</u>	<u>P</u>		
<u>PASSERINA CYANEA</u> <u>INDIGO BUNTING</u>	<u>G5</u>	<u>S2S4B,SZN</u>	<u>P</u>		
SPIZA AMERICANA DICKCISSEL	G4	<u>S1S2B,SZN</u>	<u>P</u>		
AMPHISPIZA BELLI SAGE SPARROW	G5	<u>S1S2B,SZN</u>	<u>P</u>		
<u>AMMODRAMUS BAIRDII</u> <u>BAIRD'S SPARROW</u>	<u>G3</u>	<u>S3S4B,SZN</u>	<u>P</u>	<u>C2</u>	
AMMODRAMUS LECONTEII LE CONTE'S SPARROW	G4?	<u>S1S2B,SZN</u>	<u>P</u>		

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<u>ICTERUS SPURIUS</u> <u>ORCHARD ORIOLE</u>	<u>G5</u>	<u>S2S4B,SZN</u>	<u>P</u>		
<u>MAMMALS</u>					
SOREX PREBLEI PREBLE'S SHREW	G4	S3	NG	<u>C2</u>	
SOREX NANUS DWARF SHREW	G5	S3	NG		
<u>SOREX MERRIAM</u> <u>MERRIAM'S SHREW</u>	<u>G5</u>	<u>S3</u>	<u>NG</u>		
MYOTIS THYSANODES FRINGED MYOTIS	G5	<u>S3</u>	<u>NG</u>		
MYOTIS SEPTENTRIONALIS NORTHERN LONG-EARED MYOTIS	G4	S2	NG		
EUDERMA MACULATUM SPOTTED BAT	G4	S1	NG	C2	SENSITIVE
PLECOTUS TOWNSENDII TOWNSEND'S BIG-EARED BAT	G4	S2	NG		SENSITIVE
ANTROZOUS PALLIDUS PALLID BAT	G5	S1	NG		<u>SENSITIVE</u>
<u>BRACHYLAGUS IDAHOENSIS</u> <u>PYGMY RABBIT</u>	<u>G5</u>	<u>S3</u>	<u>NG</u>	<u>C2</u>	
TAMIAS UMBRINUS UINTA CHIPMUNK	G5	S3?	NG		
CYNOMYS LEUCURUS WHITE-TAILED PRAIRIE DOG	G4	S2	NG		<u>SENSITIVE</u>
PEROGNATHUS PARVUS GREAT BASIN POCKET MOUSE	G5	<u>S2S4</u>	<u>NG</u>		
PEROGNATHUS HISPIDUS HISPID POCKET MOUSE	G5	S1	NG		
SYNAPTOMYS BOREALIS NORTHERN BOG LEMMING	G5	<u>S2</u>	<u>NG</u>		<u>SENSITIVE</u>
ZAPUS HUDSONIUS MEADOW JUMPING MOUSE	G5	S3?	NG		

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CANIS LUPUS GRAY WOLF	G4	S1	E	LELT	ENDANGERED
VULPES VELOX SWIFT FOX	G4	SH	FBCS	C2	
URSUS ARCTOS HORRIBILIS GRIZZLY BEAR	G4T3	S3?	GARH	LT	THREATENED
MARTES PENNANTI FISHER	G5	S2	FBRH	NLC2	SENSITIVE
MUSTELA NIGRIPES BLACK-FOOTED FERRET	G1	SH	E	LE	ENDANGERED
GULO GULO WOLVERINE	G4	S4?	FBRH	C2	SENSITIVE
FELIS LYNX LYNX	G5	S3	FBRH	C2	SENSITIVE
RANGIFER TARANDUS CARIBOU WOODLAND CARIBOU	G5TU	SX	GACS	LE	ENDANGERED
<u>INVERTEBRATES</u>					
ZAILZEVIA THERMAE WARM SPRING ZAILZEVIAN RIFFLE BEETLE	G1	S1	NONE	C2	
MICROCYLLOEPUS BROWNI BROWN'S MICROCYLLOEPUS RIFFLE BEETLE	G1	S1	NONE	C2	
CAENIS YOUNGI	G3	S2	NONE		
SPEYERIA IDALIA REGAL FRITILLARY BUTTERFLY	G3	SH	NONE	C2	
ISOCAPNIA CRINITA	GU	S2	NONE		
ISOCAPNIA INTEGRATA	G2	S2	NONE		
UTACAPNIA COLUMBIANA	GU	S2	NONE		
LEDNIA TUMANA MELTWATER LEDNIAN STONEFLY	G1	S1	NONE	C2	

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ZAPADA CORDILLERA A STONEFLY	GU	S2	NONE		
ZAPADA GLACIER WESTERN GLACIER STONEFLY	G1	S1	NONE		
ISOPERLA PETERSONI	GU	S2?	NONE		
RHYACOPHILA ALEXANDERI ALEXANDER'S RHYACOPHILAN CADDISFLY	G2	S2	NONE	C2	
RHYACOPHILA EBRIA A CADDISFLY	G1?	S1?	NONE		
RHYACOPHILA NEWELLI A RHYACOPHILAN CADDISFLY	G2?	S2?	NONE		
RHYACOPHILA GLACIERI A RHYACOPHILAN CADDISFLY	G1	S1	NONE		
AGAPETUS MONTANUS AN AGAPETUS CADDISFLY	G2?	S2?	NONE		
OREOHELIX CARINIFERA CARINATE LAND SNAIL	G1	S1	NONE		
OREOHELIX ELRODI ELROD'S SNAIL	G1	S1	NONE		
<u>ACROLOXUS COLORADENSIS</u> <u>ROCKY MOUNTAIN CAPSHELL (SNAIL)</u>	<u>G?</u>	<u>S1</u>	<u>NONE</u>	<u>C2</u>	